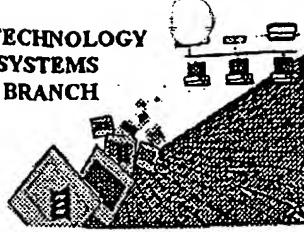




BIOTECHNOLOGY
SYSTEMS
BRANCH



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/840,139A

Source: 1EFS

Date Processed by STIC: 7/29/04

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.2 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

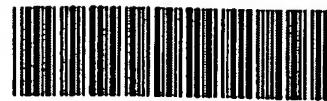
Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>), EFS Submission User Manual - ePAVE
2. U.S. Postal Service: Commissioner for Patents, P.O. Box-1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 06/05/04): U.S. Patent and Trademark Office, 220 20th Street S., Customer Window, Mail Stop Sequence, Crystal Plaza Two, Lobby, Room 1B03, Arlington, VA 22202

Revised 05/17/04



IFWO

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/840,139A

DATE: 07/29/2004

TIME: 09:24:12

Input Set : A:\IRF6_substitute.ST25.txt
 Output Set: N:\CRF4\07292004\J840139A.raw

3 <110> APPLICANT: Schutte, Brian C.
 4 Murray, Jeffrey C.
 5 Kondo, Shinji
 6 Dixon, Michael J.
 8 <120> TITLE OF INVENTION: IRF6 POLYMORPHISMS ASSOCIATED WITH CLEFT LIP AND/OR PALATE
 10 <130> FILE REFERENCE: P06215US01
 12 <140> CURRENT APPLICATION NUMBER: US/10/840,139A
 13 <141> CURRENT FILING DATE: 2004-05-06
 15 <150> PRIOR APPLICATION NUMBER: US 60/468,191
 16 <151> PRIOR FILING DATE: 2003-05-06
 18 <160> NUMBER OF SEQ ID NOS: 4
 20 <170> SOFTWARE: PatentIn version 3.2
 22 <210> SEQ ID NO: 1
 23 <211> LENGTH: 2171
 24 <212> TYPE: DNA
 25 <213> ORGANISM: Homo sapiens
 28 <220> FEATURE:
 29 <221> NAME/KEY: variation
 30 <222> LOCATION: (3)..(3)
 31 <223> OTHER INFORMATION: G to A (exon 3) *do you mean A to G? G is at location 3 (p.5)*
 33 <220> FEATURE:
 34 <221> NAME/KEY: variation
 35 <222> LOCATION: (5)..(5)
 36 <223> OTHER INFORMATION: C to T (exon 3)
 38 <220> FEATURE:
 39 <221> NAME/KEY: variation
 40 <222> LOCATION: (17)..(17)
 41 <223> OTHER INFORMATION: 17ins(C) (exon 3)
 43 <220> FEATURE:
 44 <221> NAME/KEY: 5'UTR
 45 <222> LOCATION: (48)..(48)
 47 <220> FEATURE:
 48 <221> NAME/KEY: variation
 49 <222> LOCATION: (49)..(49)
 50 <223> OTHER INFORMATION: 49del (CAGGTGGATAGTGGCC (exon 3)
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 54 <222> LOCATION: (52)..(52)
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 57 <220> FEATURE:
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 59 <222> LOCATION: (53)..(53)
 60 <223> OTHER INFORMATION: T to C (exon 3)

ppr1-5
 Does Not Comply
 Corrected Diskette Needed

? G is at location 53

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/840,139A

DATE: 07/29/2004

TIME: 09:24:12

Input Set : A:\IRF6_substitute.ST25.txt
 Output Set: N:\CRF4\07292004\J840139A.raw

62 <220> FEATURE:
 63 <221> NAME/KEY: variation
 64 <222> LOCATION: (69)..(69)
 65 <223> OTHER INFORMATION: C to A (exon 3)
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 69 <222> LOCATION: (115)..(115)
 70 <223> OTHER INFORMATION: C to G (exon 3)
 72 <220> FEATURE:
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 74 <222> LOCATION: (178)..(178)
 75 <223> OTHER INFORMATION: T to G (exon 4)
 77 <220> FEATURE:
 78 <221> NAME/KEY: variation
 79 <222> LOCATION: (182)..(182)
 80 <223> OTHER INFORMATION: C to G (exon 4)
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 84 <222> LOCATION: (197)..(197)
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 89 <222> LOCATION: (202)..(202)
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 92 <220> FEATURE:
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 94 <222> LOCATION: (208)..(208)
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 99 <222> LOCATION: (226)..(226)
 100 <223> OTHER INFORMATION: C to T (exon 4)
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 104 <222> LOCATION: (244)..(244)
 105 <223> OTHER INFORMATION: C to A (exon 4)
 107 <220> FEATURE:
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 109 <222> LOCATION: (250)..(250)
 110 <223> OTHER INFORMATION: C to T (exon 4)
 112 <220> FEATURE:
 113 <221> NAME/KEY: variation
 114 <222> LOCATION: (251)..(251)
 115 <223> OTHER INFORMATION: G to A (exon 4)
 117 <220> FEATURE:
 118 <221> NAME/KEY: variation
 119 <222> LOCATION: (262)..(262)
 120 <223> OTHER INFORMATION: A to C (exon 4)
 122 <220> FEATURE:

? "A" is at location 178

? "A" is at location 182

do you mean C to A? "A" is at location 197.

do you mean C to G? "G" is at location 208.

do you mean A to G? "G" is at location 251.

? "T" is at location 262

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/840,139A

DATE: 07/29/2004
TIME: 09:24:12

Input Set : A:\IRF6_substitute.ST25.txt
Output Set: N:\CRF4\07292004\J840139A.raw

123 <221> NAME/KEY: CDS
124 <222> LOCATION: (264)..(1667)
126 <220> FEATURE:
127 <221> NAME/KEY: variation ?
128 <222> LOCATION: (265)..(265) *T is at 265*
129 <223> OTHER INFORMATION: A to G (exon 4)
131 <220> FEATURE:
132 <221> NAME/KEY: variation
133 <222> LOCATION: (268)..(268) ?
134 <223> OTHER INFORMATION: A to G (exon 4) *C is at 268.*
136 <220> FEATURE:
137 <221> NAME/KEY: variation
138 <222> LOCATION: (274)..(274) ?
139 <223> OTHER INFORMATION: G to T (exon 4) *A is at 274*
141 <220> FEATURE:
142 <221> NAME/KEY: variation
143 <222> LOCATION: (292)..(292) ?
144 <223> OTHER INFORMATION: G to C (exon 4) *T is at 292*
146 <220> FEATURE:
147 <221> NAME/KEY: variation
148 <222> LOCATION: (352)..(352) ?
149 <223> OTHER INFORMATION: C to T (exon 4) *A is at 352*
151 <220> FEATURE:
152 <221> NAME/KEY: variation
153 <222> LOCATION: (466)..(466)
154 <223> OTHER INFORMATION: 466ins(C) (exon 5)
156 <220> FEATURE:
157 <221> NAME/KEY: variation
158 <222> LOCATION: (558)..(558)
159 <223> OTHER INFORMATION: C to A (exon 6)
161 <220> FEATURE:
162 <221> NAME/KEY: variation
163 <222> LOCATION: (576)..(576)
164 <223> OTHER INFORMATION: G to A (exon 6)
166 <220> FEATURE:
167 <221> NAME/KEY: variation
168 <222> LOCATION: (634)..(634)
169 <223> OTHER INFORMATION: 634ins(CCAC) (exon 6)
171 <220> FEATURE:
172 <221> NAME/KEY: variation
173 <222> LOCATION: (657)..(657)
174 <223> OTHER INFORMATION: 657del(CTCTCTCCC)ins(TA) (exon 6)
176 <220> FEATURE:
177 <221> NAME/KEY: variation
178 <222> LOCATION: (744)..(744)
179 <223> OTHER INFORMATION: 744del(CTGCC) (exon 7)
181 <220> FEATURE:
182 <221> NAME/KEY: variation
183 <222> LOCATION: (749)..(749)

Please ensure locations
are correct in this
and subsequent
sequences.

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/840,139A

DATE: 07/29/2004
TIME: 09:24:12

Input Set : A:\IRF6_substitute.ST25.txt
Output Set: N:\CRF4\07292004\J840139A.raw

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186 <220> FEATURE:
187 <221> NAME/KEY: variation
188 <222> LOCATION: (759)..(759)
189 <223> OTHER INFORMATION: T to A (exon 7)
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193 <222> LOCATION: (795)..(795)
194 <223> OTHER INFORMATION: 795del(C) (exon 7)
196 <220> FEATURE:
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198 <222> LOCATION: (818)..(818)
199 <223> OTHER INFORMATION: A to G (exon 7)
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203 <222> LOCATION: (842)..(842)
204 <223> OTHER INFORMATION: 842del(A) (exon 7)
206 <220> FEATURE:
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208 <222> LOCATION: (870)..(870)
209 <223> OTHER INFORMATION: 870del(CACTAGCAAGCTGCTGGAC) ins(A) (exon 7)
211 <220> FEATURE:
212 <221> NAME/KEY: variation
213 <222> LOCATION: (881)..(881)
214 <223> OTHER INFORMATION: T to C (exon 7)
216 <220> FEATURE:
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224 <223> OTHER INFORMATION: A to G (exon 7)
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229 <223> OTHER INFORMATION: G to A (exon 7)
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239 <223> OTHER INFORMATION: T to C (exon 7)
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244 <223> OTHER INFORMATION: G to T (exon 7)

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/840,139A

DATE: 07/29/2004

TIME: 09:24:12

Input Set : A:\IRF6_substitute.ST25.txt
Output Set: N:\CRF4\07292004\J840139A.raw

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247 <221> NAME/KEY: variation
248 <222> LOCATION: (1106)..(1106)
249 <223> OTHER INFORMATION: T to C (exon 8)
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253 <222> LOCATION: (1122)..(1122)
254 <223> OTHER INFORMATION: C to G (exon 8)
256 <220> FEATURE:
257 <221> NAME/KEY: variation
258 <222> LOCATION: (1162)..(1162)
259 <223> OTHER INFORMATION: A to G (exon 8)
261 <220> FEATURE:
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263 <222> LOCATION: (1177)..(1177)
264 <223> OTHER INFORMATION: C to T (exon 8)
266 <220> FEATURE:
267 <221> NAME/KEY: variation
268 <222> LOCATION: (1234)..(1234)
269 <223> OTHER INFORMATION: C to T (exon 9)
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273 <222> LOCATION: (1288)..(1288)
274 <223> OTHER INFORMATION: G to A (exon 9)
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277 <221> NAME/KEY: variation
278 <222> LOCATION: (1381)..(1381)
279 <223> OTHER INFORMATION: 1381ins(C) (exon 9)
281 <400> SEQUENCE: 1
282 gagtcggcg cacctggct gggcaggtaa gggctggc gggacgggga gaggaacctg 60
284 cagtcctac ttggtagag ccaggcggcc cttggctaag acgtcgagga gctgtgttagc 120
286 gacgggtgat cttcgctgcg gacttggtc ggagggacgt ccgcttctgg tgacagatt 180
288 gagcaaagaa tcttttagcg gtcaaggaa agacaagccg actcttcaga tccctgtgga 240
290 cacactgcct gttttccat atc atg gtc ctc dac ccc cgc aga gtc cgg ata 293
291 Met Ala Leu His Pro Arg Arg Val Arg Leu
292 1 5 10
294 aag ccc tgg ctg gtg gcc cag gtg gat agt ggc ctc tac cct ggg ctc 341
295 Lys Pro Trp Leu Val Ala Gln Val Asp Ser Gly Leu Tyr Pro Gly Leu
296 15 20 25
298 atc tgg cta dac agg gac tct aaa cgc ttc cag att ccc tgg aaa cat 389
299 Ile Trp Leu His Arg Asp Ser Lys Arg Phe Gln Ile Pro Trp Lys His
300 30 35 40
302 gcc acc cgg cat agc cct caa caa gaa gag gaa aat acc att ttt aag 437
303 Ala Thr Arg His Ser Pro Gln Gln Glu Glu Glu Asn Thr Ile Phe Lys
304 45 50 55
306 gcc tgg gct gta gag aca ggg aag tac cag gaa ggg gtg gat gac cct 485
307 Ala Trp Ala Val Glu Thr Gly Lys Tyr Gln Glu Gly Val Asp Asp Pro
308 60 65 70
310 gac cca gct aaa tgg aag gcc cag ctg cgc tgt gct ctc aat aag agc 533

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/840,139A

DATE: 07/29/2004

TIME: 09:24:13

Input Set : A:\IRF6_substitute.ST25.txt

Output Set: N:\CRF4\07292004\J840139A.raw

L:12 M:270 C: Current Application Number differs, Wrong Format